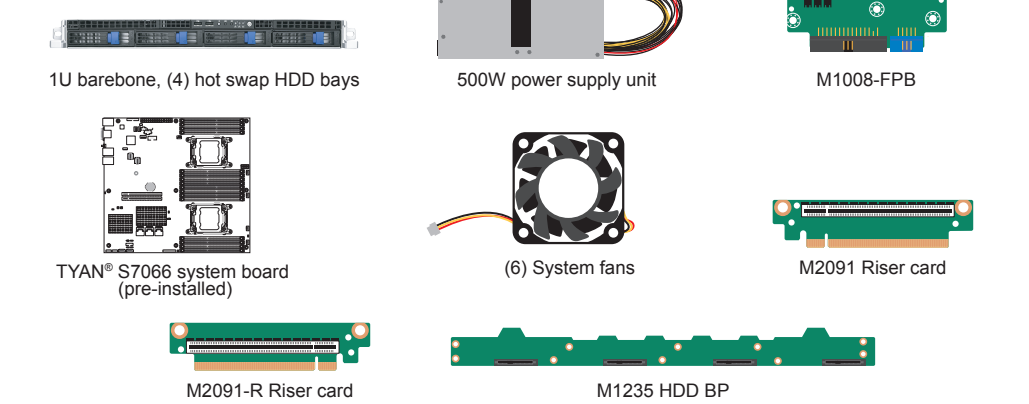


1 General Information

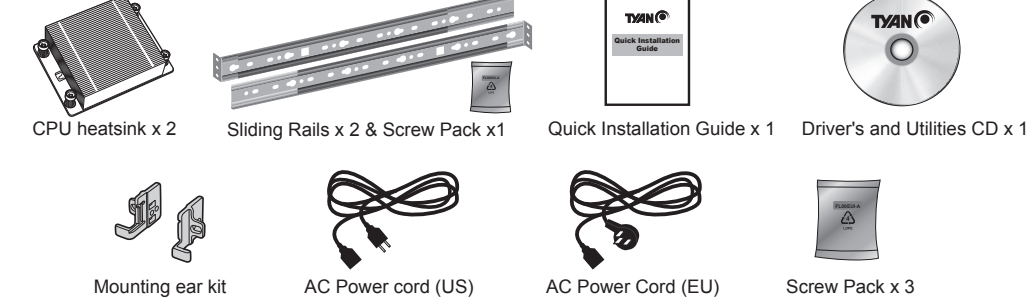
Read Me First

- 1. The Barebone User's Manual is available for download from our Web site at http://www.tyan.com. Make sure to read all precautions and instructions before you start installing the server system.
- 2. Refer all servicing to qualified personnel to avoid the risk of damage to the server system.
- 3. Exercise normal ESD (Electrostatic Discharge) procedures during system integration. TYAN/MITAC recommends wearing gloves and an anti-static wrist strap to avoid possible damage to the equipment.
- 4. Current processor socket design places the pins on the motherboard instead of the processor itself. Exercise caution when installing the processors as the manufacturer's warranty does not cover damage inflicted upon the motherboard, including damage to the CPU sockets.

Box Content



Accessories



Required Hardware Components

- Minimum Hardware Requirements**
- Processor: Intel® Xeon® processor E5-2600 Series.
 - Memory Type: Minimum of one 1GB, 240-pin DDR3 800/1066/1333/1600-MT/s DIMMs.
 - Hard Disk Drives: SATA/SAS
 - Rack Mount Kit (Industry 19" rack-mountable)
- NOTE:** For an up to date list of compatible hardware, please visit the system's support page on www.tyan.com

Tools Required



3 System Installation

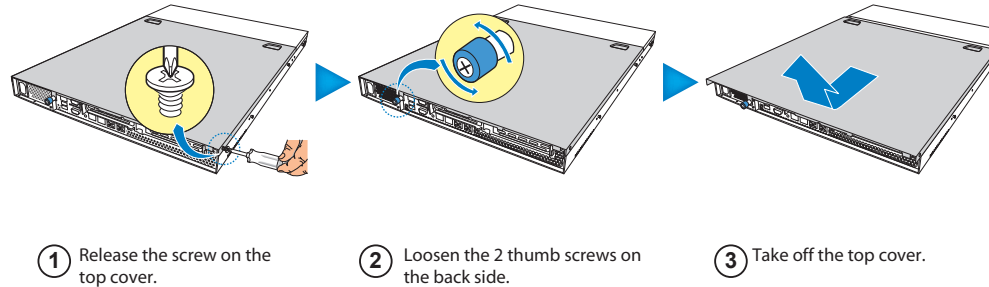


Open the Chassis

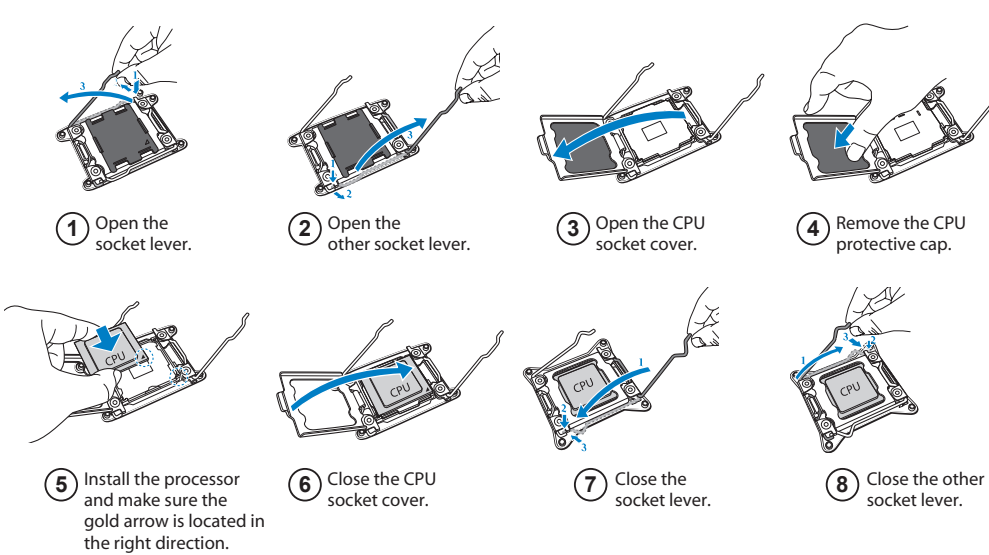
Preparing the Chassis

Read normal ESD (Electrostatic Discharge) procedures.

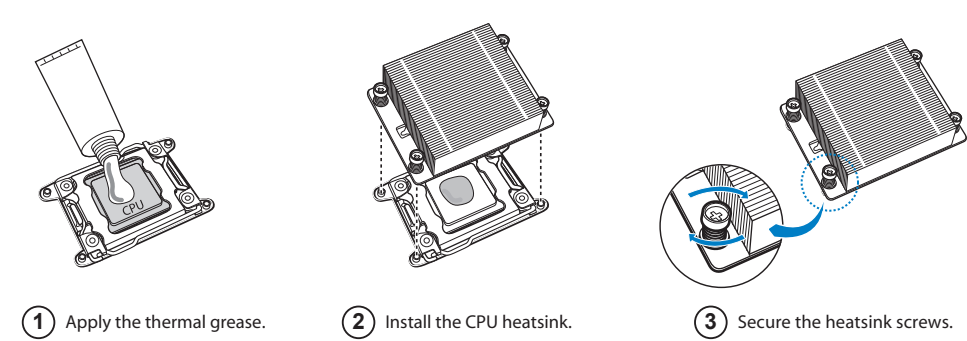
Place your TYAN® Server Chassis on a flat anti-static surface to perform the following integration procedures. Read ESD procedures before reaching inside to install components.



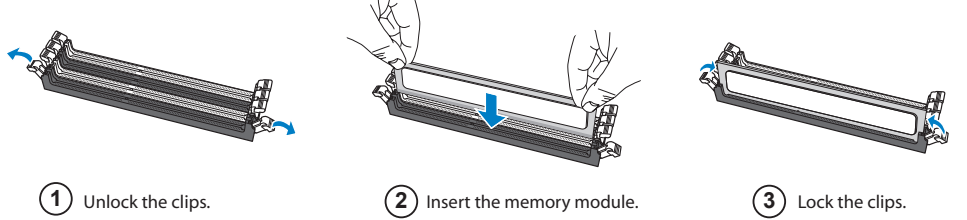
Install the Processor



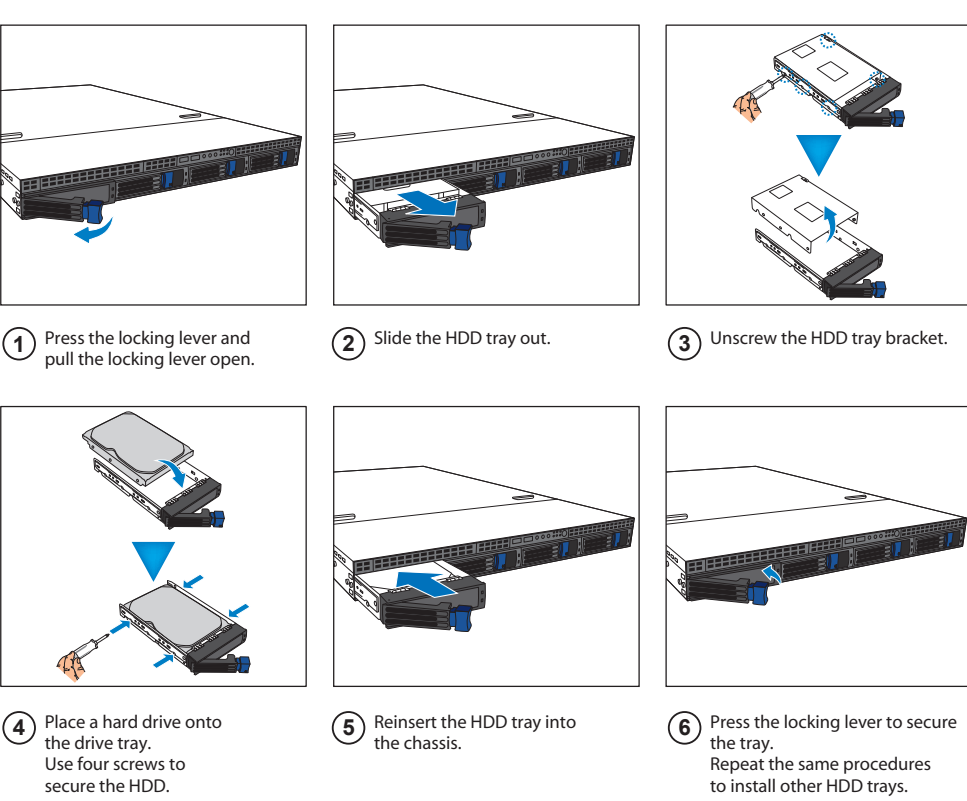
Install the CPU Heatsink



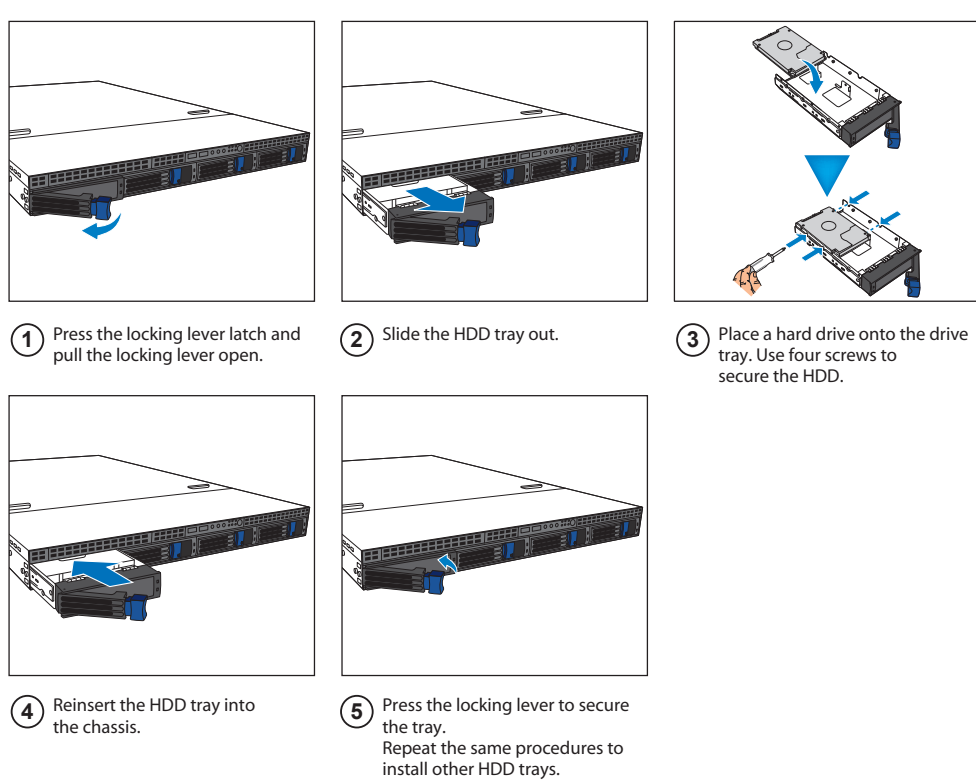
Install the Memory



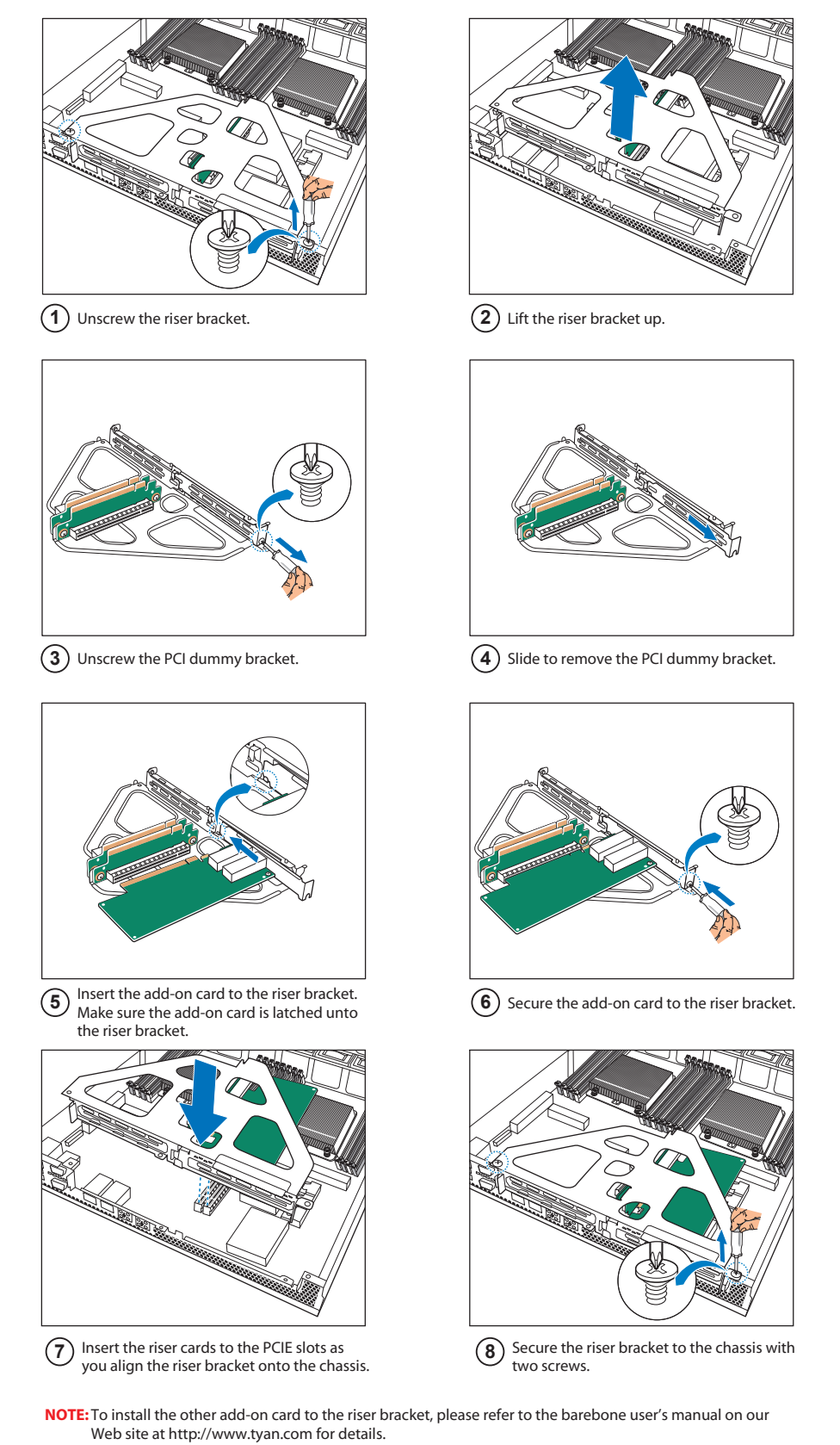
Install the Hard Disks (3.5")



Install the Hard Disks (2.5")

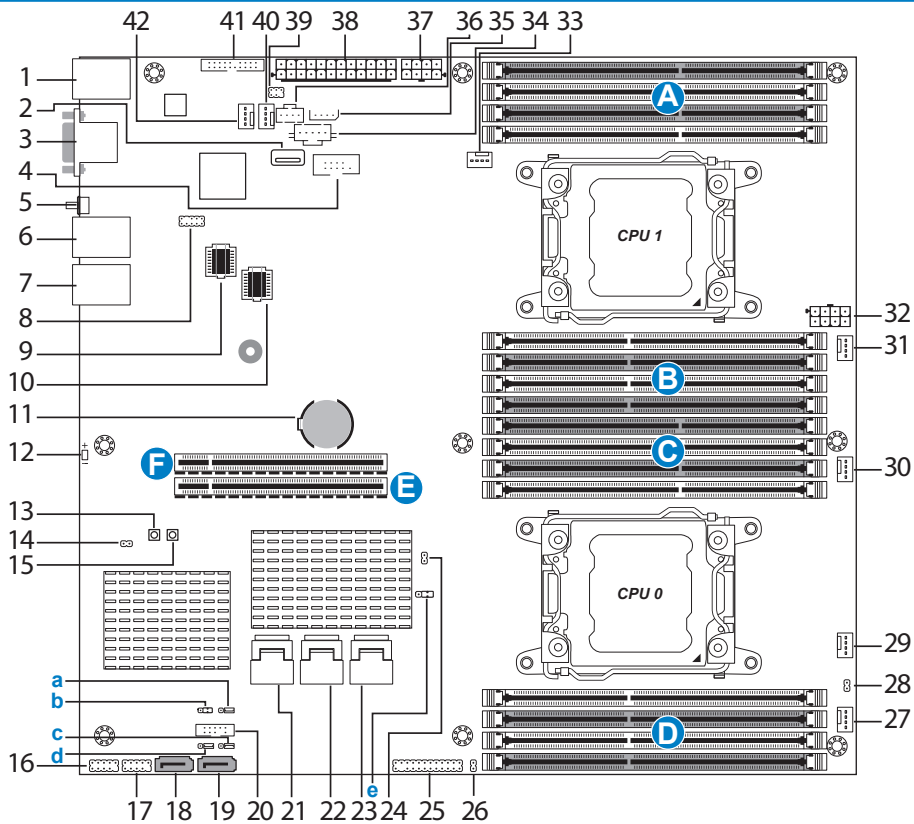


Installing the Add-On Card (Optional)



2 Motherboard Placement

Motherboard Placement



CONNECTORS

1. USB2.0 ports and LAN Port #3(LAN3) shared with IPMI port
2. Vertical Type-A USB Connector
3. Serial Port (COM1)
4. COM2 Header
5. ID LED Button
6. LAN Port #1(LAN1)
7. LAN Port #2(LAN2)
8. Port 80 Header
9. BMC
10. BIOS
11. Battery
12. ID LED
13. Reset Button
14. Flash Security Override Header
15. Power Button
- 16/17. USB Front Panel Header (blue)
- 18/19. Serial ATA Connector
20. SATA SGPIO Header
21. Serial ATA Connector (SATA2~5)
22. Mini SAS Connector (SAS4~7)
23. Mini SAS Connector (SAS0~3)
24. LSI IMR KEY
25. Front Panel Header
26. LAN3 LED Header
27. CPU0 Fan Power Connector
28. Chassis Intrusion Header
29. Fan Connector (SYS_FAN3)
30. Fan Connector (SYS_FAN2)
31. Fan Connector (SYS_FAN1)
32. 8-pin Power Connector (PW3)
33. CPU1 FAN Power Connector
34. PSMI Connector
35. IPMB Connector
36. HOST SMB Connector
37. 8-pin Power Connector (PW2)
38. 24-pin Power Connector (PW1)
39. SAS SMB Header
40. Fan Connector (SYS_FAN5)
41. Front Fan Connector reserved for Barebone
42. Fan Connector (SYS_FAN4)

SLOTS

- A CPU0 DIMM SLOT [Channel A/B]
- B CPU0 DIMM SLOT [Channel C/D]
- C CPU1 DIMM SLOT [Channel A/B]
- D CPU1 DIMM SLOT [Channel C/D]
- E PCIe slot (x16)
- F PCIe slot (x16)

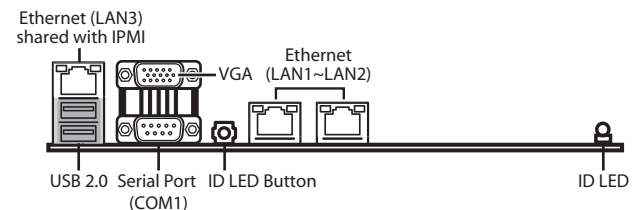
JUMPER

- a ME Recovery Jumper
- b Clear CMOS Jumper
- c BIOS Recovery Jumper
- d SPI Write Protect Jumper
- e LSI 2308 Enable/Disable Jumper

NOTE: There is risk when setting the jumper by yourself.

4 I/O Ports

Locate the External I/O Port



5 Caution

CPU Cover for DOA/RMA

NOTE: Please save and replace the CPU protection cap when returning the server board for service.

